

Datasheet for ABIN5596816

**anti-Aspartate Transaminase antibody (HRP)****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Aspartate Transaminase (Ast)
Reactivity:	Pig
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Aspartate Transaminase antibody is conjugated to HRP
Application:	ELISA, Western Blotting (WB)

## Product Details

Immunogen:	Immunogen: Aspartate Aminotransferase (AST) [Pig Heart] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Aspartate Aminotransferase (AST) from other sources may occur but has not been specifically determined.
Purification:	Aspartate Transaminase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Sheep Serum as well as purified and partially purified Aspartate Aminotransferase (AST) [Pig Heart].

## Target Details

Target:	Aspartate Transaminase (Ast)
Alternative Name:	Aspartate Transaminase ( <a href="#">Ast Products</a> )
Background:	<p>Synonyms: Aspartate aminotransferase 1 antibody, Aspartate aminotransferase cytoplasmic antibody, Aspartate aminotransferase cytosolic antibody, ec 2.6.1.1 antibody, GIG 18 antibody, GIG18 antibody, Glutamate oxaloacetate transaminase 1 antibody</p> <p>Background: Aspartate Transaminase is an important regulator of levels of glutamate, the major excitatory neurotransmitter of the vertebrate central nervous system. It acts as a scavenger of glutamate in brain neuroprotection. The aspartate aminotransferase activity is involved in hepatic glucose synthesis during development and in adipocyte glyceroneogenesis. Aspartate Transaminase is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health.</p> <p>Gene Name: GOT1</p>
Gene ID:	396967
UniProt:	<a href="#">P00503</a>

## Application Details

Application Notes:	<p>Application Note: Anti-Aspartate Transaminase has been assayed against 1.0 µg of Aspartate Aminotransferase (AST) [Pig Heart] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product.</p> <p>Western Blot Dilution: 1:1,000 - 1:5,000</p> <p>ELISA Dilution: 1:10,000 - 1:40,000</p>
Restrictions:	For Research Use only

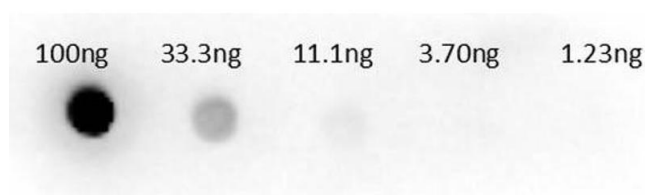
## Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>

## Handling

Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

## Validation report #300048 for Immunohistochemistry (IHC)



### Dot Blot

**Image 1.** Dot Blot of Sheep anti-Aspartate Transaminase Antibody. Lane 1: 100ng. Lane 2: 33.3ng. Lane 3: 11.1ng. Lane 4: 3.7ng. Lane 5: 1.23ng. Secondary Antibody: Sh-a-Aspartate Transaminase (AST) HRP 200-603-144 at 1µg/mL. Blocking Buffer: BlockOut for 30 min at RT.